

FIG. 1

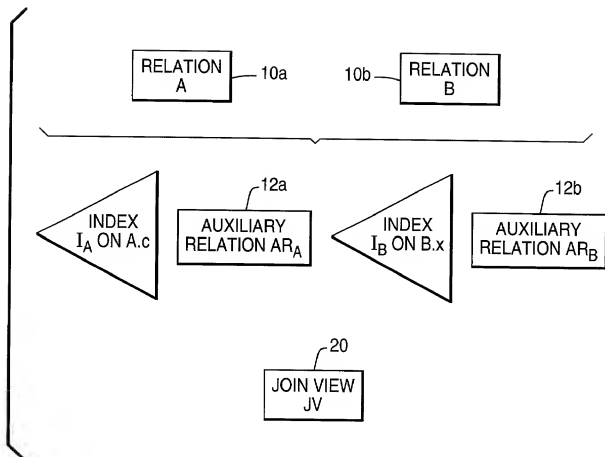


FIG. 3

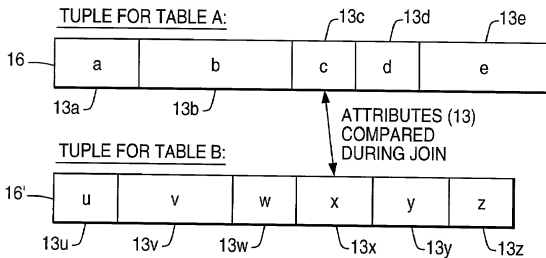


FIG. 2

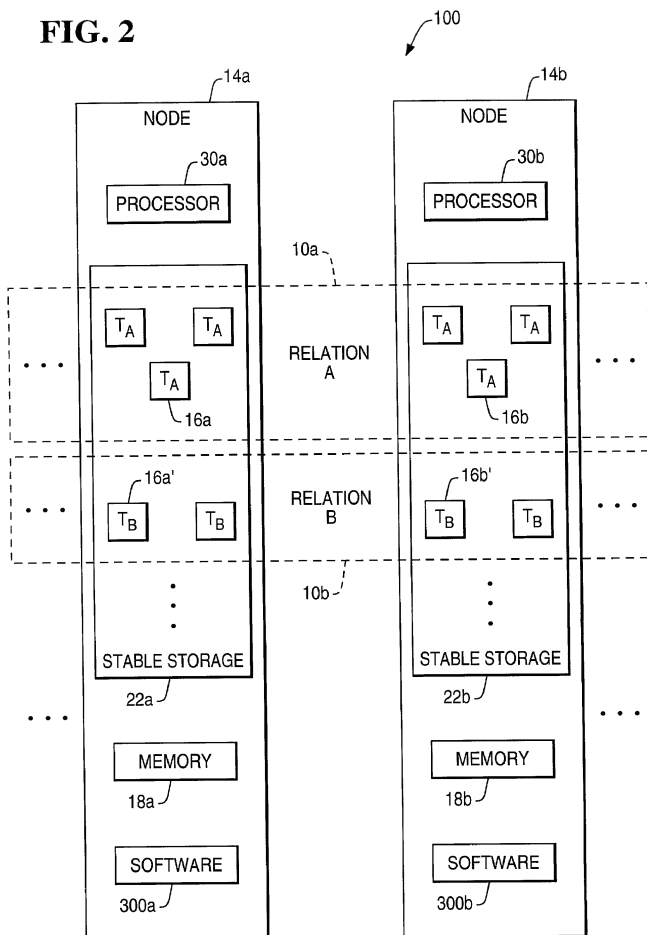


FIG. 4

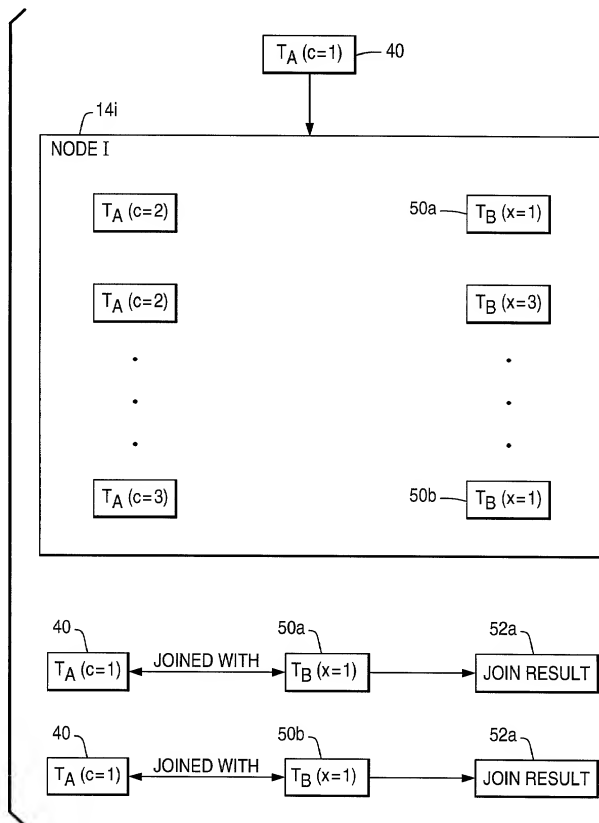
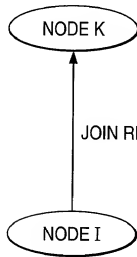


FIG. 5A



K) JOIN RESULT(S) INSERTED
INTO JOIN VIEW JV

I2) T_A JOINED WITH $T_B(S)$
TO PRODUCE JOIN RESULT(S)
I1) T_A STORED IN RELATION A

FIG. 5B

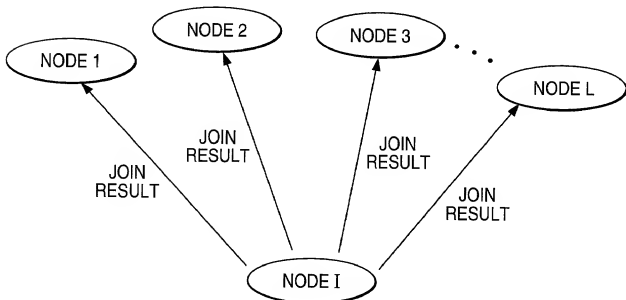


FIG. 6A

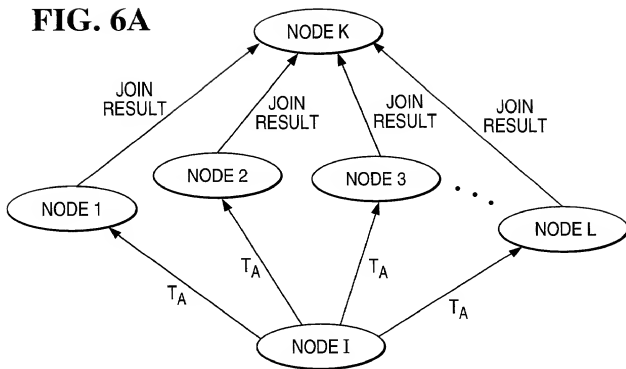


FIG. 6B

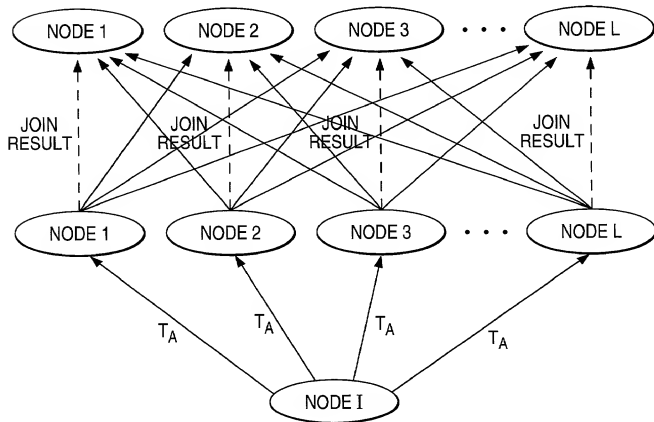
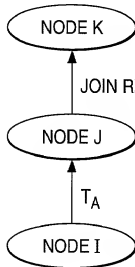


FIG. 7A



K) JOIN RESULT(S) INSERTED INTO JOIN VIEW JV

J2) T_A JOINED WITH $T_B(S)$ TO PRODUCE JOIN RESULT(S)

J1) T_A STORED IN AUXILIARY RELATION AR_A

I) T_A STORED IN RELATION A

FIG. 7B

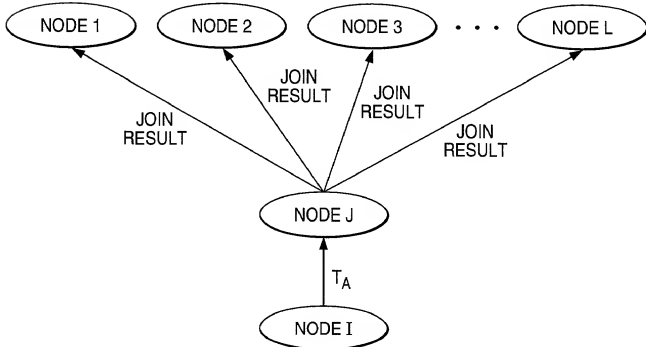


FIG. 8

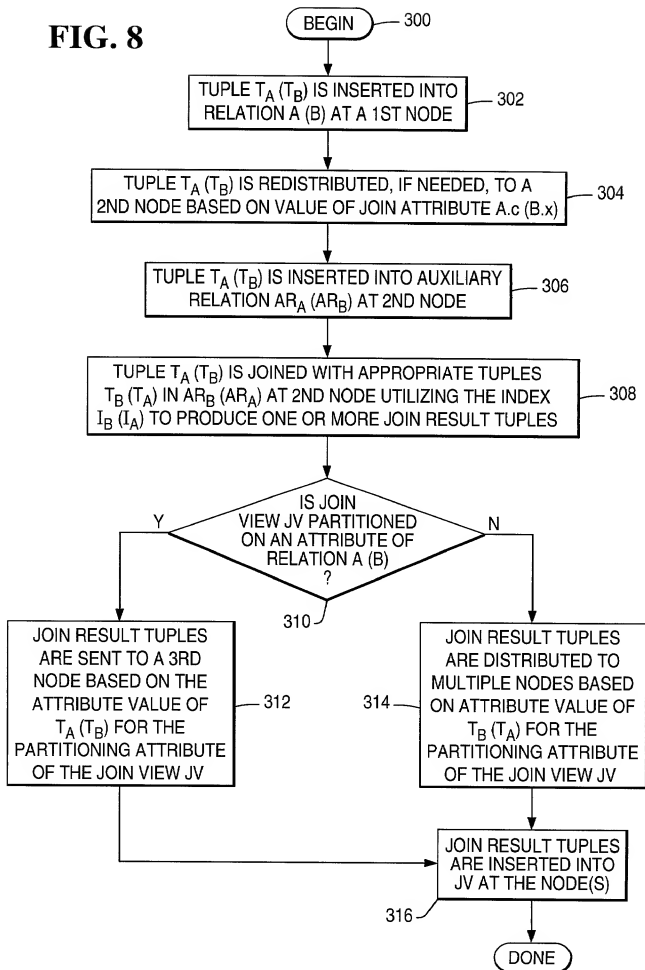


FIG. 9A

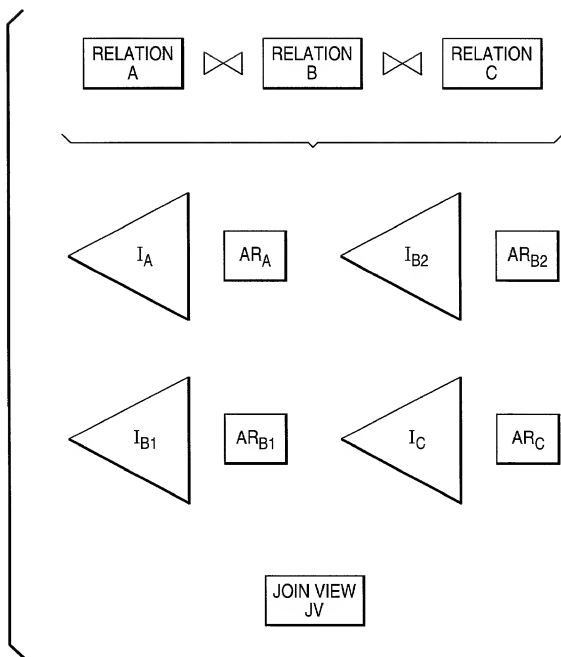
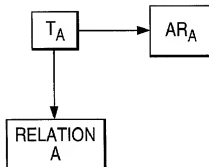
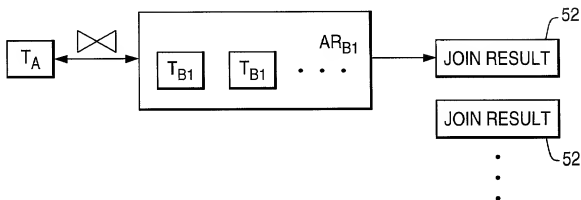


FIG. 9B

STAGE 1:



STAGE 2:



STAGE 3:

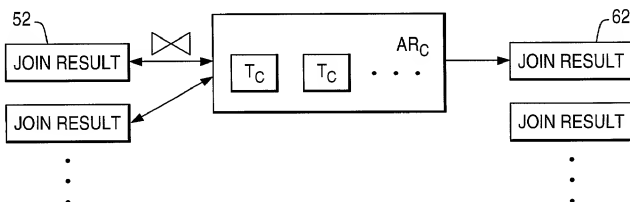
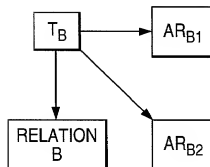
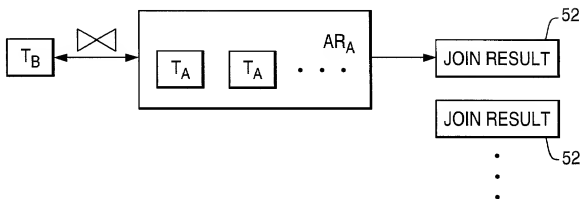


FIG. 9C

STAGE 1:



STAGE 2:



STAGE 3:

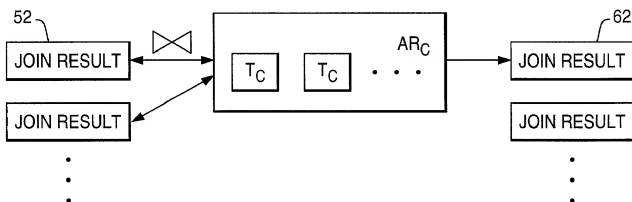
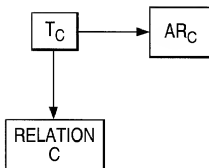
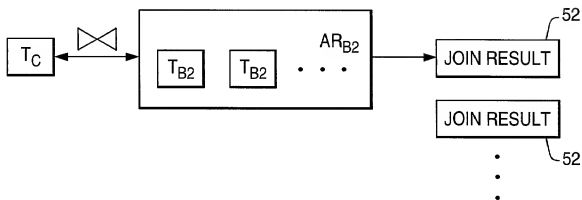


FIG. 9D

STAGE 1:



STAGE 2:



STAGE 3:

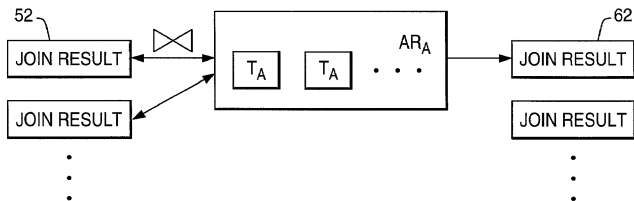


FIG. 10

